## U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387

## MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

LIQUID CARBONIC CORPORATION	ON	SECTION	EMERGENCY TELEPHON	E NÓ.	~
DDRESS (HUMBER, STREET, CITY, STATE, AND EIP CO					
HEMICAL NAME AND SYNONYMS Carbon Dioxide, Liquid HEMICAL FAMILY			TRADE NAME AND SYNONYMS Carbon Dioxide, Liquiflo FORMULA CO2	<u>v</u>	
Carbon Compounds					
SECTIO	N II -	HAZARD	OUS INGREDIENTS		
PAINTS, PRESERVATIVES, & SOLVENTS	8	(Units)	ALLOYS AND METALLIC COATINGS	*	(Units)
IGMENTS			DASE METAL		
ATALYST		y de	ALLOYS		
EHICLE		Mir III in leg Herr Lagger	METALLIC COATINGS		
OLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
DDITIVES			OTHERS		
THERS			: (4.11.0)		
HAZARDOUS MIX	rures	OF OTHE	ER LIQUIDS, SOLIDS OR GASES	*	TLV (Units)
			2 3 = 1	1	
		1.2	7 7 7 7 7	7	
		**************************************	17 77 9	1-1	
			NA 98 U	3/	
Si	CTIO	N III - PI	HYSICAL DATA	/	
BOILING POINT ("F.) @ 285 psig	OF SPECIFIC GRAVITY (H20=1) @ 2 F		1.014		
APOR PRESSURE (mm Hg.) @ 0°F	1	PERCENT, VOLATILE 14,739 BY VOLUME (%)			100
APOR DENSITY (AIR=1) @ 32°F		1.5290 (			
OLUBILITY IN WATER @ 32°F		80cc/10			
			ungent odor		
			(PLOSION HAZARD DATA		
LASH POINT (Method used)			FLAMMABLE LIMITS Lei		Uel
None :					
PECIAL FIRE FIGHTING PROCEDURES		<del></del>			
JNUSUAL FIRE AND EXPLOSION HAZARDS		10.0944			
Heat from a fire may actuate	pres	sure re	lief valve in storage tank, rel	eas	ing co

PAGE (1) 9320-3085 (Continued on reverse side)

Form OSHA-20 REV. 5/81

		SECTION V - HEALTH HAZARD	DATA	
THRESHOLD LIM		1980) 5000ppm		
EFFECTS OF OV Liquid re	EREXPOSURE	sphere turns to solid $\infty_2$	(which may freeze	skin) and
		symptoms of simple asphyr	(ia occur)	•
	D FIRST AID PROCEDUR - treat for fr	그리 튀어 그리즘가 자고를 하는 이렇게 뭐 가게 하는 생각 그리다면 하는 것이 하는 것이다.	· · · · · · · · · · · · · · · · · · ·	
Gaseous (	CO <sub>2</sub> - remove fro	xa exposure. Recovery is	capid. Seed All	<u></u>
		SECTION VI - REACTIVITY D	ATA	
STABILITY	UNSTABLE	CONDITIONS TO AVOID		

			SEC	TION VI - RE	ACTIVITY DATA	
STABLE STABLE		UNSTABLE		CONDITIONS TO AVOID  DO NOT DUT liquid CO2 in a low pressure tank or		
		x	one without relief valve			
INCOMPATABIL None	TY (MATER	IALS TO AVOID	) F			
HAZARDOUS DE CO2 Vapo	COMPOSIT	imple a	ст <b>ş</b> sphvжian	t)		
HAZARDOUS	MAY OCCUR			CONDITIONS TO AVOID		
POLYMERIZATION		WILL NOT OCCUR				

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  Liquid released from tank turns to solid and gaseous CO., avoid contact of sol	iđ
with skin due to temperature (-109.4°F)	
WASTE DISPOSAL METHOD	
Blow to atmosphere	

	SECTION VIII - SPECIAL P	ROTECTION INF	ORMATION	
RESPIRATORY PR	OTECTION (SPECIFY TYPE)			
VENTILATION	LOCAL EXHAUST X MECHANICAL (SENERAL)		SPECIAL	
			OTHER	
PROTECTIVE GLO	OVES	NO NO		
OTHER PROTECT	IVE EQUIPMENT			

	A STATE OF THE STA	
SECTION IX - SI	PECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Avoid direct contact with skin		
OTHER PRECAUTIONS		

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PAGE (2)